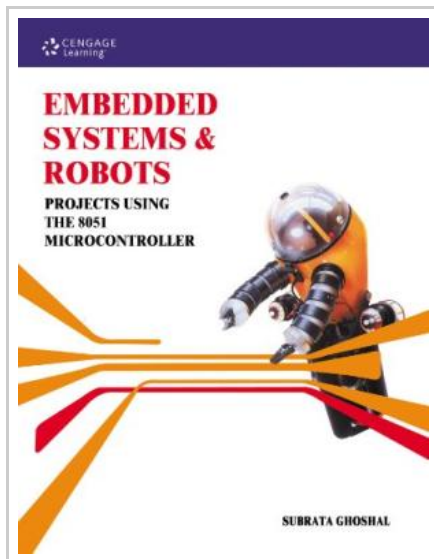




DOWNLOAD



Embedded Systems and Robots: Projects Using the 8051 Microcontroller

By Subrata Ghoshal

Cengage Learning India, 2009. Softcover. Book Condition: New. First edition. Embedded Systems & Robots: Projects Using The 8051 Microcontroller is meant to serve as a reference book on real-time embedded system design and the applications of the 8051 microcontroller for undergraduate as well as postgraduate students of computer science, information technology, electronics, instrumentation, mechatronics, and other related disciplines. The book will also prove useful to general readers who wish to understand and fabricate simple working models of robots. This book adopts a do-it-yourself approach, starting with very simple projects and slowly leading to more complex items. It includes discussions on real-time embedded systems and provides step-by-step instructions for design and construction of different types of simple robots. The book highlights the need for accurate scheduling in real-time systems and indicates the related solution-techniques through assembly language programming. It contains discussions on importance of data structures in real-time scheduling (Chapter 7) and interfacing issues of sensors such as SONAR, infrared, LDR, and tactile sensors. The book provides complete fabrication blue-prints of several robot examples, including line-follower robot, maze-solving robot, obstruction-detecting robot, shadow-activated robot, learning robot, and humanoid robot. The book uses simple and lucid language for easy understanding of the concepts involved....



READ ONLINE

Reviews

Unquestionably, this is the finest work by any publisher. I really could comprehend every little thing using this published e book. You will not sense monotony at anytime of your respective time (that's what catalogs are for regarding should you question me).

-- Joe Kessler

This ebook will be worth buying. It usually fails to price an excessive amount of. You wont feel monotony at whenever you want of your respective time (that's what catalogs are for regarding in the event you check with me).

-- Ernest Vandervort